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1 [Proxies + path prediction: improving Web service provision in](#)

[wireless-mobile communications](#)

Stathes Hadjiefthymiades, Lazaros Merakos

August 2003 Mobile Networks and Applications, Volume 8 Issue 4

Publisher: Kluwer Academic Publishers

Full text available: pdf(255.84 KB) Additional Information: full citation, abstract, references, index terms

Mobile computing is considered of major importance to the computing industry for the forthcoming years due to the progress in the wireless communications area. A proxy-based architecture for accelerating Web browsing in wireless customer premises networks ...

Keyw ords: cache relocation, caching proxy, mobile computing, path prediction algorithm

2 [Mobility modelling and trajectory prediction for cellular networks with mobile base stations](#)



Pubudu N. Pathirana, Andrey V. Savkin, Sanjay Jha

June 2003 MobiHoc '03: Proceedings of the 4th ACM international symposium on Mobile ad hoc networking & computing

Publisher: ACM

Full text available: pdf(514.67 KB) Additional Information: full citation, abstract, references, cited by, index terms

This paper provides mobility estimation and prediction for a variant of GSM network which resembles an adhoc wireless mobile network where base stations and users are both mobile. We propose using Robust Extended Kalman Filter (REKF) as a location heading ...

3

[Determination of the Registration Point for Location Update by](#)

Dynamic Programming in PCS

Chae Y. Lee, Seon G. Chang

September 2001 Wireless Networks. Volume 7 Issue 4

Publisher: Kluwer Academic Publishers

Additional Information: full citation, abstract,

Full text available:  pdf(205.97 KB)

references, cited by, index terms

Location management is important to effectively keep track of mobile terminals with reduced signal flows and database queries. Even though dynamic location management strategies are known to show good performance, we in this paper consider the static ...

Keywords: dynamic programming, location management, selective pointer forwarding

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4 Lossless compression of computer generated animation frames



Hee Cheol Yun, Brian K. Guenter, Russell M. Mersereau

October 1997 ACM Transactions on Graphics (TOG). Volume 16 Issue 4

Publisher: ACM

Full text available:  pdf(5.18 MB) Additional Information: full citation, abstract, references,
cited by, index terms, review

This article presents a new lossless compression algorithm for computer animation image sequences. The algorithm uses transformation information available in the animation script and floating point depth and object number information at each pixel to ...

Keywords: compression, computer animation, computer graphics, motion prediction

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JPEG2000.
www.LursiTech.com


5 Supporting the WWW in wireless communications through mobile agents

Stathes Hadjiefthymiades, Vicky Matthaïou, Lazaros Merakos

August 2002 Mobile Networks and Applications. Volume 7 Issue 4

Publisher: Kluwer Academic Publishers

Additional Information: full citation, abstract,

Full text available:  pdf(358.70 KB)

references, cited by, index terms

Mobile computing is considered of major importance to the computing industry for the forthcoming years due to the progress in wireless mobile communications. We present a proxy-based architecture that manages to accelerate Web browsing in wireless Customer ...

Keywords: WWW, aglets, mobile agents, mobile computing, pro-active resource management, proxy caches, wireless networks

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6 Detecting anomalous agents in mobile agent system: a preliminary approach



Tie-Yan Li, Kwok-Yan Lam

July 2002 AAMAS '02: Proceedings of the first international joint conference on Autonomous agents and multiagent systems: part 2

Publisher: ACM

Full text available:  pdf(71.67 KB) Additional Information: full citation, abstract, references, index terms


Mobile agents are easy to be attacked. Although traditional security methods (authentication, encryption, etc.) can protect them from certain kinds of attacks, mobile agent can still be exploited for illegal purpose. In our approach, we propose an anomaly ...

Keywords: agent movement pattern, anomaly detection, mobile agent security

7 Using information scent to model user information needs and actions and the Web



Ed H. Chi, Peter Pirolli, Kim Chen, James Pitkow
March 2001 CHI '01: Proceedings of the SIGCHI conference on Human factors in computing systems
Publisher: ACM


Full text available:  pdf(278.29 KB) Additional Information: full citation, abstract, references, cited by, index terms

On the Web, users typically forage for information by navigating from page to page along Web links. Their surfing patterns or actions are guided by their information needs. Researchers need tools to explore the complex interactions between user needs, ...

Keywords: World Wide Web, data mining, information foraging, information retrieval, information scent, usability

8 Resource-aware speculative prefetching in wireless networks

N. J. Tuah, M. Kumar, S. Venkatesh
January 2003 Wireless Networks. Volume 9 Issue 1
Publisher: Kluwer Academic Publishers

Full text available:  pdf(212.89 KB) Additional Information: full citation, abstract, references, cited by, index terms


Mobile users connected to wireless networks expect performance comparable to those on wired networks for interactive multimedia applications. Satisfying Quality of Service (QoS) requirements for such applications in wireless networks is a challenging ...

Keywords: bandwidth, caching, compound request, network load, speculative prefetching

9 GroupLens: applying collaborative filtering to Usenet news



Joseph A. Konstan, Bradley N. Miller, David Maltz, Jonathan L. Herlocker, Lee R. Gordon, John Riedl
March 1997 Communications of the ACM. Volume 40 Issue 3
Publisher: ACM

Full text available:  pdf(343.18 KB) Additional Information: full citation, references, cited by, index terms

- 10 I'm done simulating; now what? Verification coverage analysis and
correctness checking of the DEC chip 21164 Alpha microprocessor



Michael Katrowitz, Lisa M. Noack

June 1996 DAC '96: Proceedings of the 33rd annual conference on Design
automation

Publisher: ACM

Full text available: pdf(117.86 KB)

Additional Information: full citation, references, cited
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